

AMENDMENTS TO THE CLAIMS

1. (currently amended) A mounted soil core sample including in combination:

a stabilized soil core sample, the particles of which are adhesively bonded together, having a cylindrical shape with a first predetermined diameter and a first predetermined length; and

a plastic casing molded about the soil core sample in intimate physical contact therewith, the casing having an external diameter greater than the first predetermined external diameter of the soil core sample.

2. (original) The mounted soil core sample according to Claim 1 wherein the plastic casing is transparent.

3. (original) The mounted soil core sample according to Claim 2 wherein the plastic casing is a molded plastic casing fully enclosing the soil core sample.

4. (original) The mounted soil core sample according to Claim 3 wherein the plastic casing is made of a catalyzed plastic resin.

5. (cancelled)

6. (cancelled)

1 7. (cancelled)

2 8. (cancelled)

3 9. (original) The mounted soil core sample according to Claim
4 1 wherein the plastic casing is a molded plastic casing fully
5 enclosing the soil core sample.
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7 10. (original) The mounted soil core sample according to Claim
8 9 wherein the plastic casing is made of a catalyzed plastic resin.
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10 11. (original) The mounted soil core sample according to Claim
11 1 wherein the plastic casing is made of a catalyzed plastic resin.
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13 12. (original) The mounted soil core sample according to Claim
14 11 wherein the plastic casing is transparent.
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17 13. (original) A method of mounting a soil core sample
18 including the steps of:

19 obtaining a soil core sample in a length of hollow
20 cylindrical pipe;

21 bonding the elements of the soil core sample together
22 within the pipe;

23 removing the bonded soil core sample from the pipe; and
24 molding clear plastic resin around the soil core sample.
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1 14. (original) The method of mounting a soil core sample
2 according to Claim 13 wherein the step of bonding the elements of
3 the soil core sample together comprises adhesively bonding the
4 elements of the core sample together.

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6 15. (original) The method according to Claim 14 wherein the
7 step of molding clear plastic resin around the soil core sample
8 comprises molding clear plastic resin completely around the soil
9 core sample.

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11 16. (original) The method according to Claim 15 wherein the
12 step of bonding the soil core sample comprises infiltrating the
13 soil core sample within the pipe with an adhesive solution.

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16 17. (original) The method according to Claim 16 wherein the
17 step of molding clear plastic resin around the soil core sample
18 includes suspending the bonded soil core sample within a mold and
19 pouring catalyzed liquid resin into the mold to surround the soil
20 core sample.

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22 18. (original) The method of mounting a soil core sample
23 according to Claim 17 including the further step of drying the soil
24 core sample after infiltrating the soil core sample with an
25 adhesive solution.
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1 19. (original) The method according to Claim 13 wherein the
2 step of bonding the soil core sample comprises infiltrating the
3 soil core sample within the pipe with an adhesive solution.
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5 20. (original) The method of mounting a soil core sample
6 according to Claim 19 including the further step of drying the soil
7 core sample after infiltrating the soil core sample with an
8 adhesive solution.
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10 21. (original) The method according to Claim 13 wherein the
11 step of molding clear plastic resin around the soil core sample
12 includes suspending the bonded soil core sample within a mold and
13 pouring catalyzed liquid resin into the mold to surround the soil
14 core sample.
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17 22. (original) The method according to Claim 13 wherein the
18 step of molding clear plastic resin around the soil core sample
19 comprises molding clear plastic resin completely around the soil
20 core sample.
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22 23. (original) The method according to Claim 20 wherein the
23 step of infiltrating the soil core sample within the pipe with an
24 adhesive solution comprises infiltrating the soil core sample with
25 a dilute solution of latex glue and water.
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1 24. (original) The method according to Claim 23 wherein the
2 step of removing the soil core sample from the pipe comprises
3 splitting the pipe open to expose the bonded soil core sample.
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5 25. (original) A method according to Claim 23 wherein the
6 step of obtaining a soil core sample in a length of hollow
7 cylindrical pipe comprises obtaining the soil core sample in a
8 length of hollow PVC pipe and the step of removing the soil core
9 sample from the pipe includes splitting the pipe longitudinally to
10 separate the pipe from the soil core sample.
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12 26. (original) A method according to Claim 13 wherein the step
13 of obtaining a soil core sample in a length of hollow cylindrical
14 pipe comprises obtaining the soil core sample in a length of hollow
15 PVC pipe and the step of removing the soil core sample from the
16 pipe includes splitting the pipe longitudinally to separate the
17 pipe from the soil core sample.
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